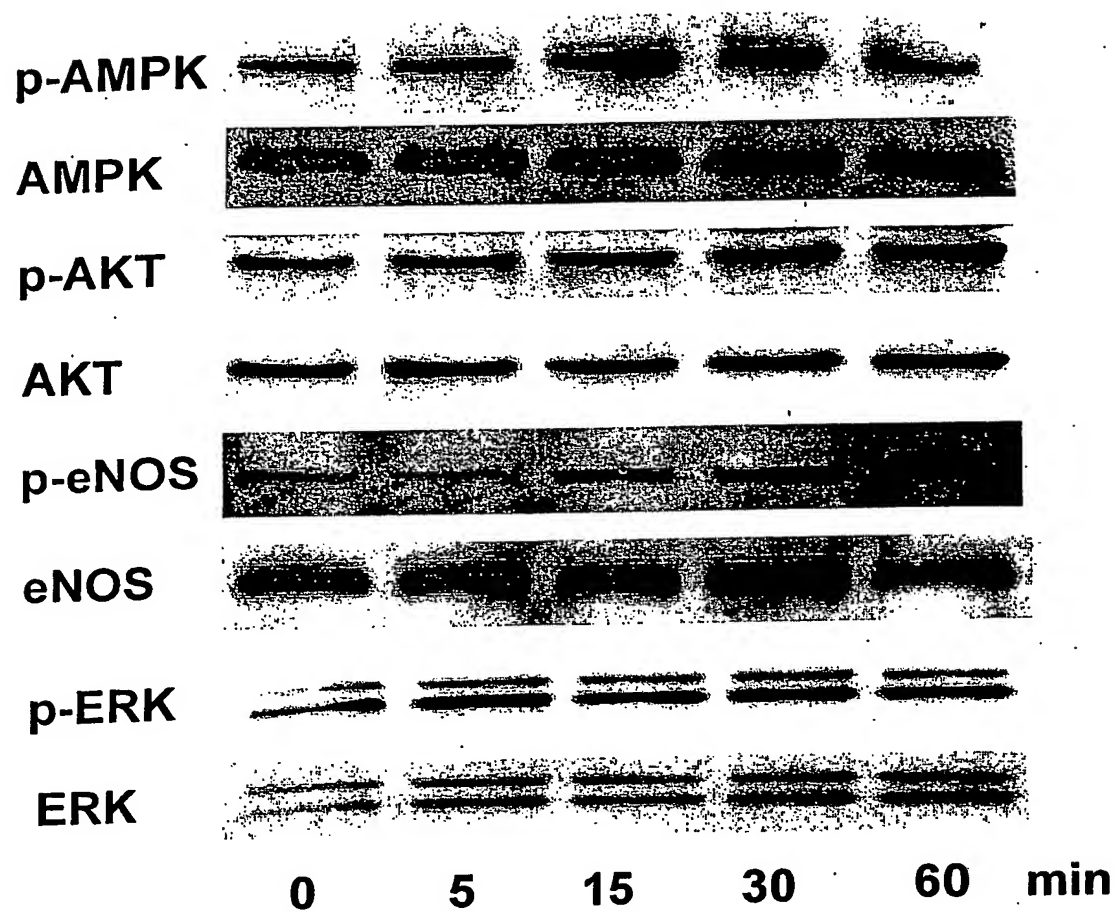
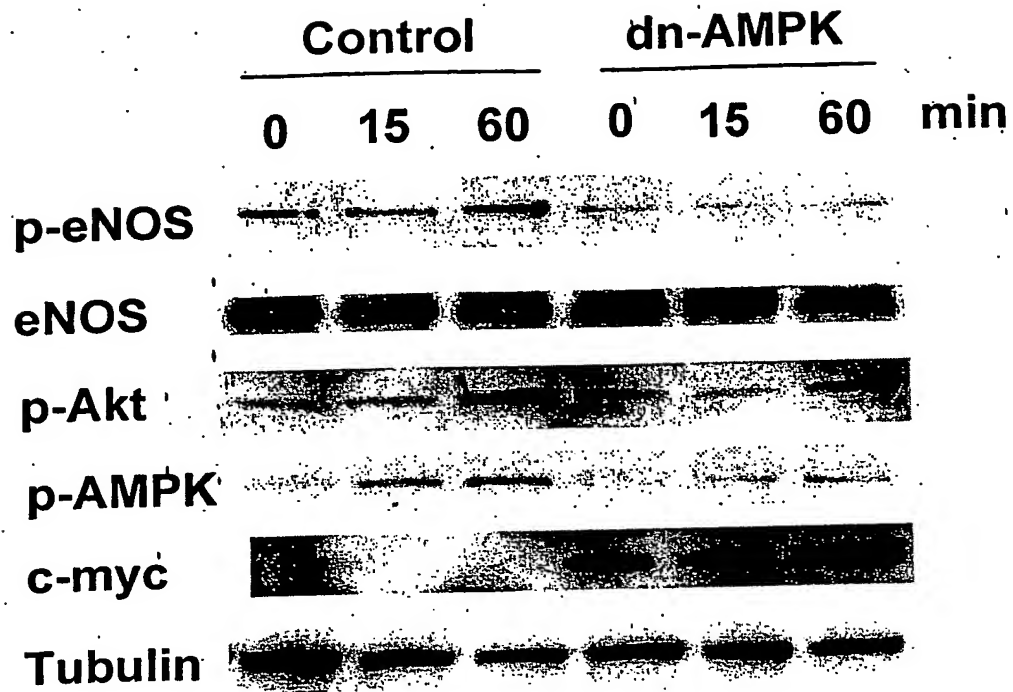
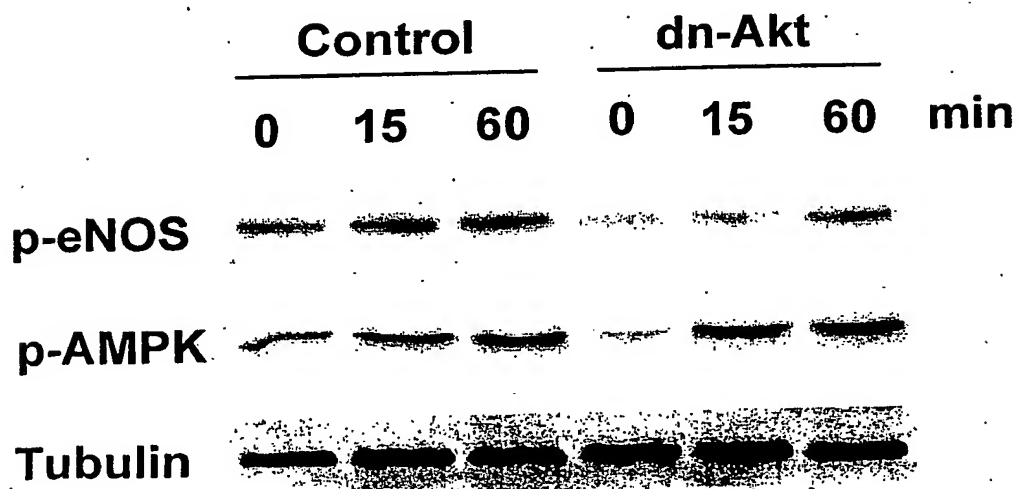


Fig. 1

**A****Fig. 2**

**B****C****Fig. 2**

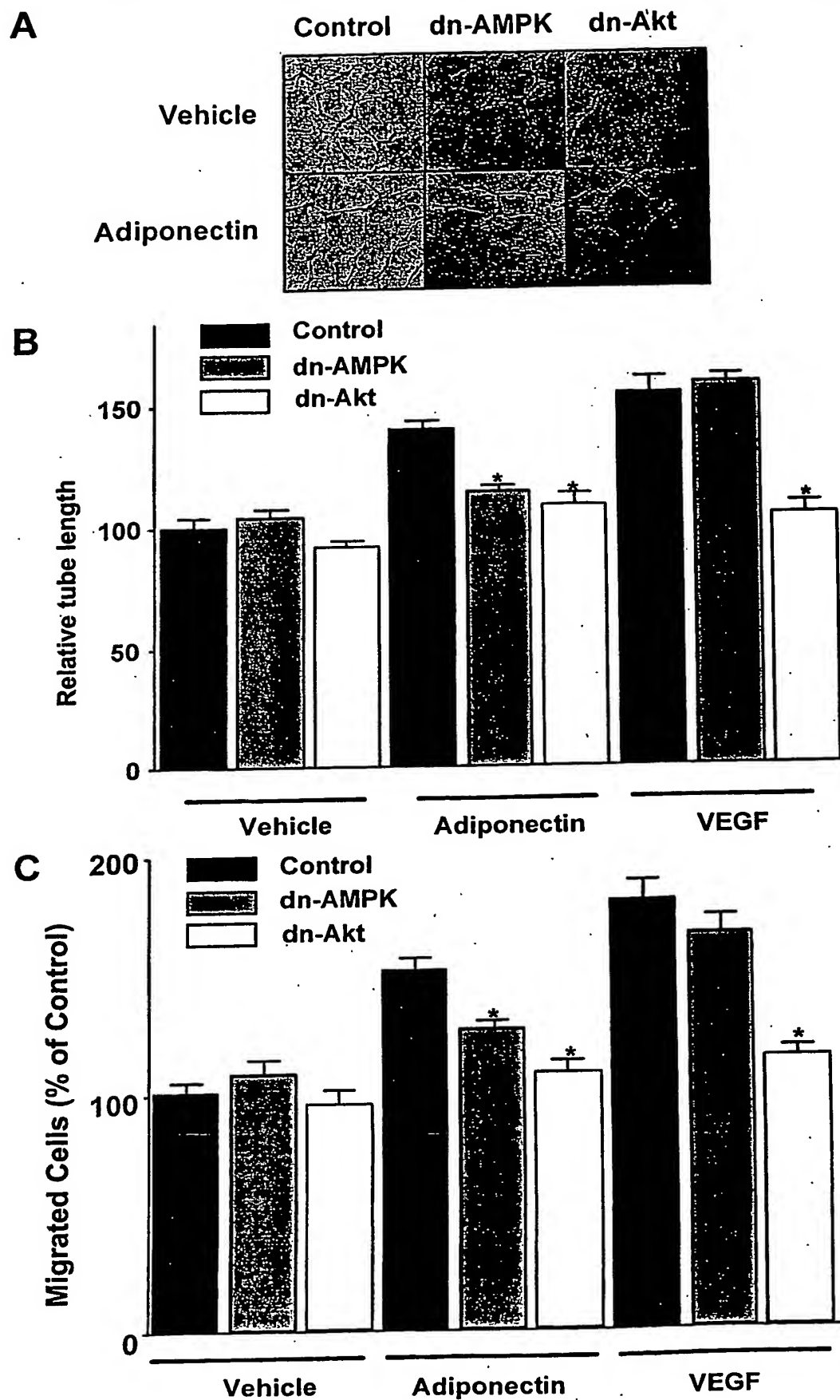


Fig. 3

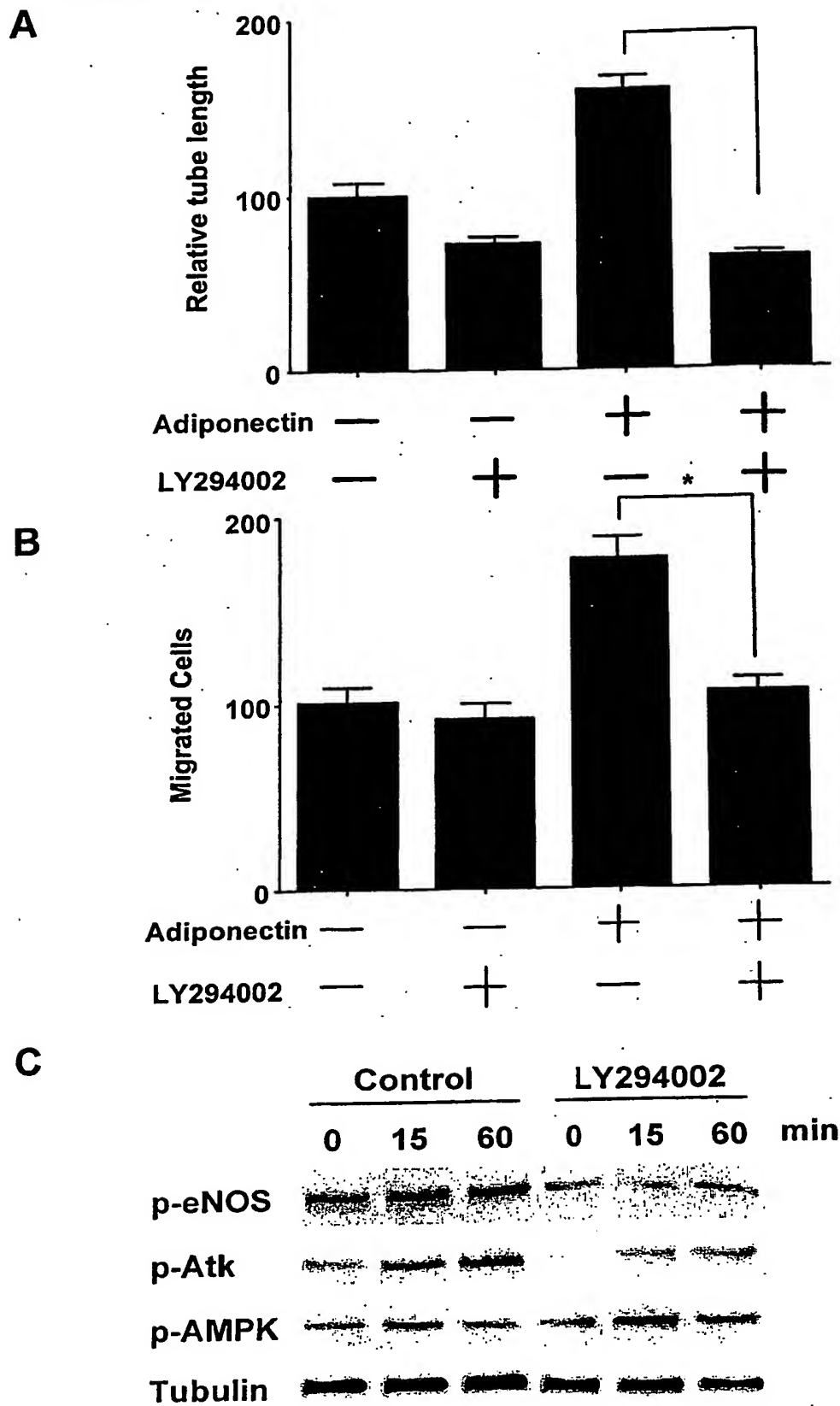


Fig. 4

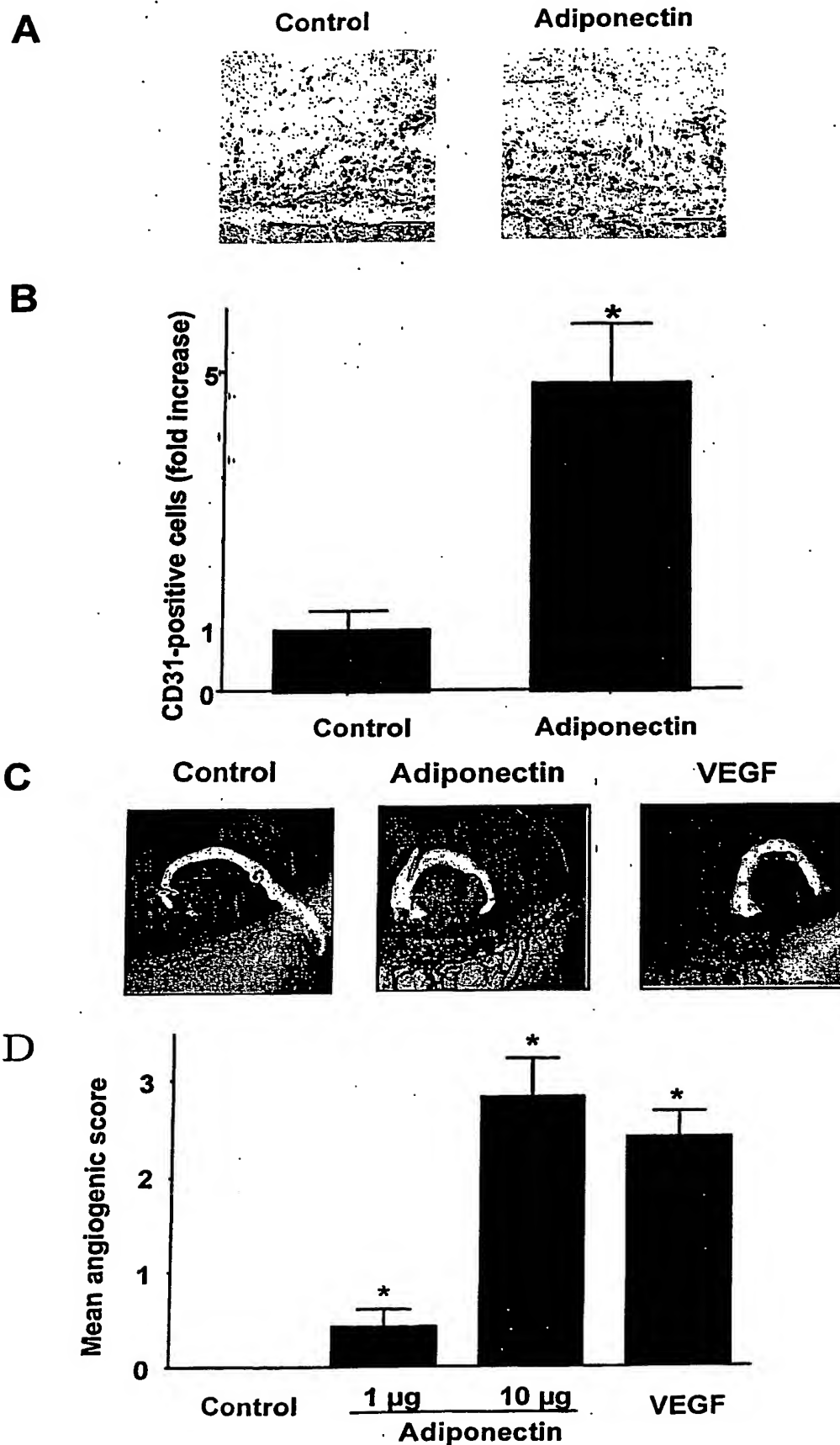


Fig. 5

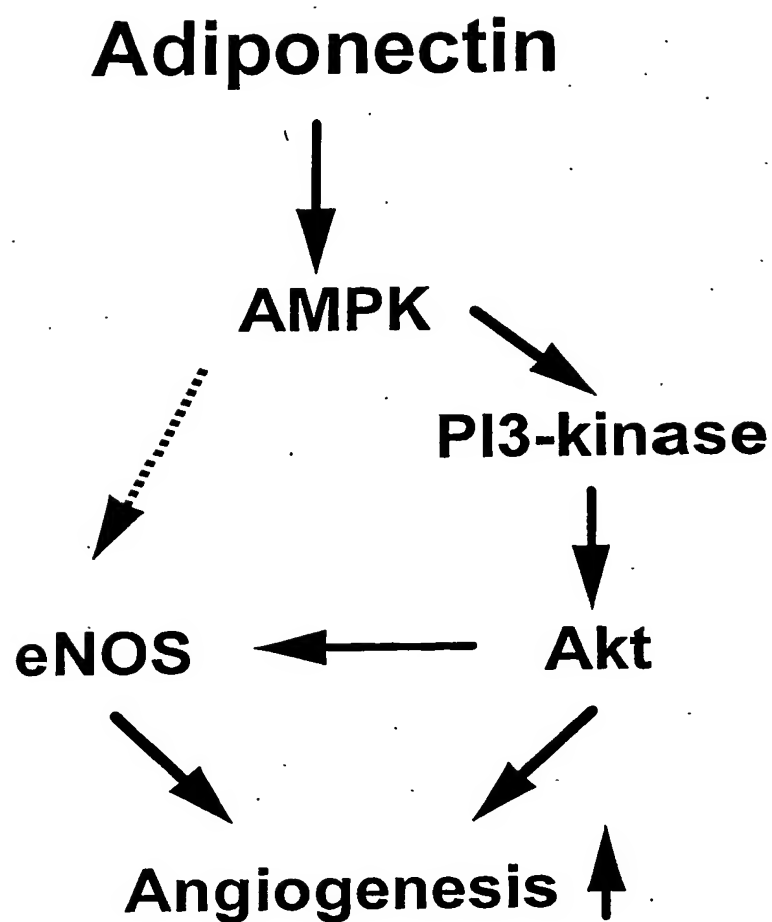


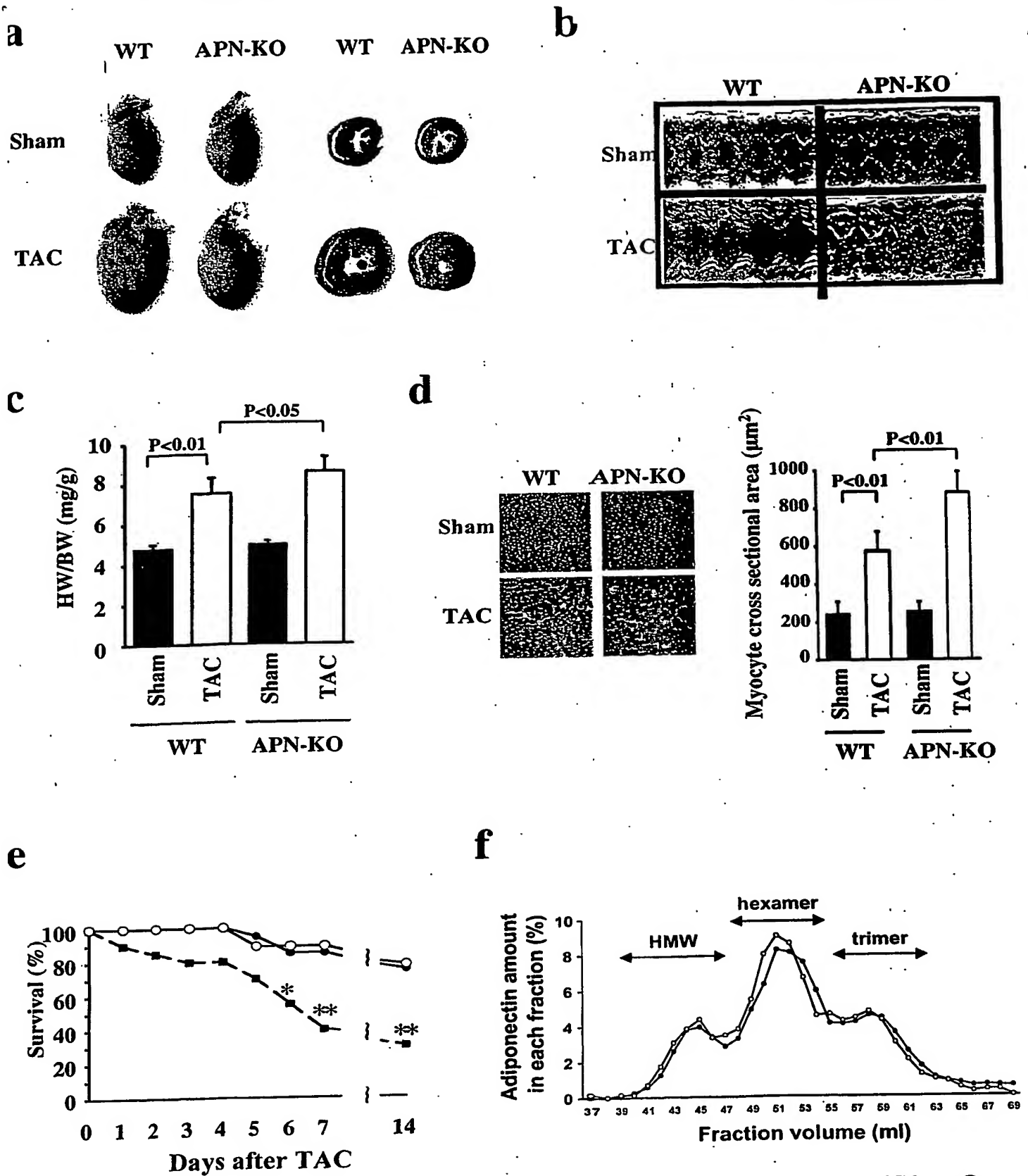
Fig. 6

Figure 7. Body weight, hemodynamic and echocardiographic measurements in WT and APN-KO mice at 7 days post-surgery.

(n=5)	BW (g)	HR (bpm)	sBP (mmHg)	LVEDD (mm)	LVESD (mm)	IVS (mm)	LVPW (mm)	FS (%)	LVPW/LVEDD
WT-sham	25.2±2.1	537±83	111±8	2.84±0.16	1.22±0.13	0.74±0.05	0.76±0.05	56.8±2.94	0.27±0.03
WT-TAC	25.6±1.9	562±68	195±5 <sup>c</sup>	3.20±0.29 <sup>a</sup>	1.65±0.35 <sup>a</sup>	1.02±0.08 <sup>a</sup>	1.06±0.05 <sup>a</sup>	48.3±8.11 <sup>a</sup>	0.34±0.04 <sup>a</sup>
APN KO-sham	25.3±1.6	551±43	116±3	2.92±0.08	1.26±0.15	0.72±0.08	0.74±0.05	56.9±7.43	0.25±0.02
APN KO-TAC	26.3±1.4	562±61	196±20 <sup>c</sup>	1.80±0.23 <sup>b</sup>	0.62±0.13 <sup>b</sup>	1.38±0.16 <sup>b</sup>	1.42±0.11 <sup>b</sup>	65.2±3.29 <sup>b</sup>	0.79±0.09 <sup>b</sup>

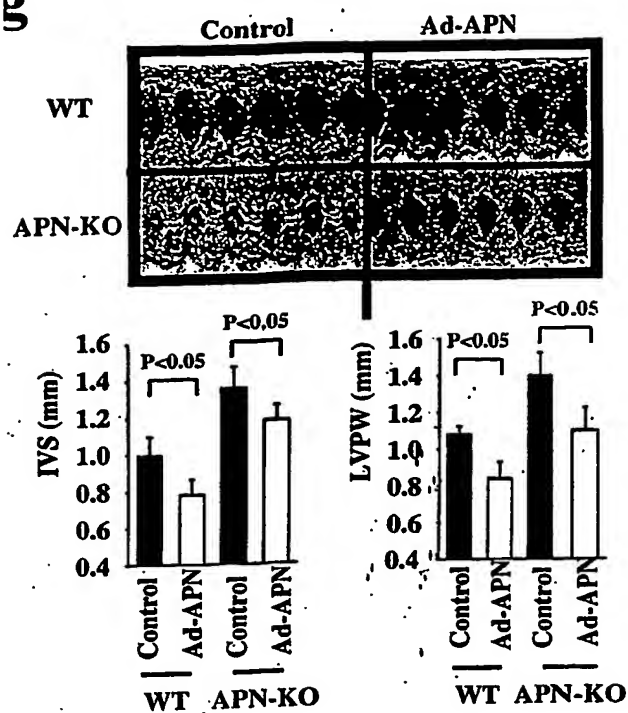
<sup>a</sup>P<0.05 vs. WT-sham, <sup>b</sup>P<0.05 vs. WT-TAC, <sup>c</sup>P<0.01 vs. WT-sham



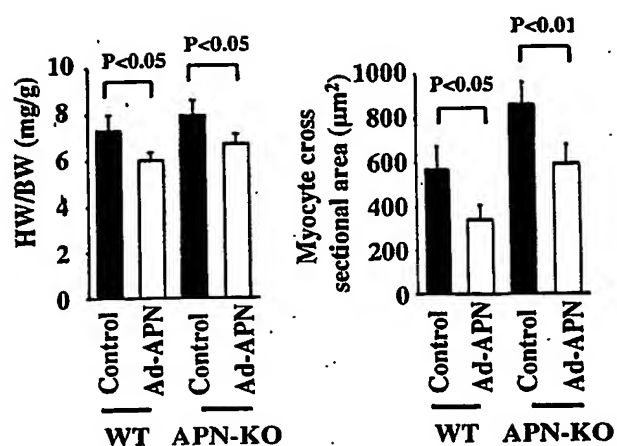


**Fig. 8**

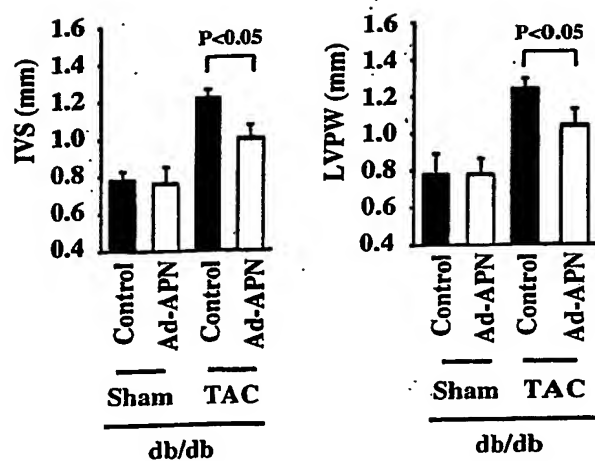
g



h



i



j

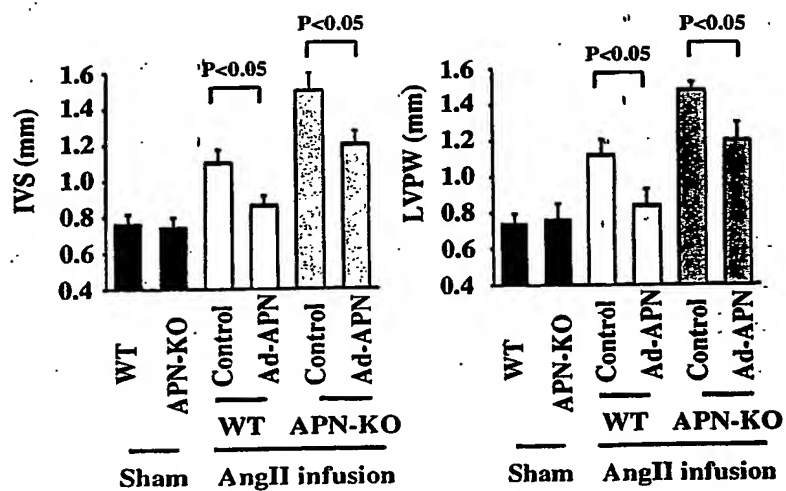
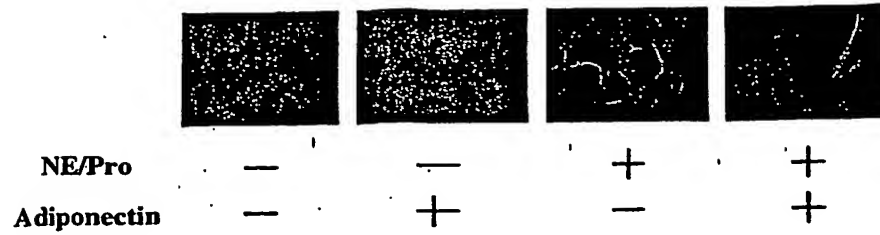
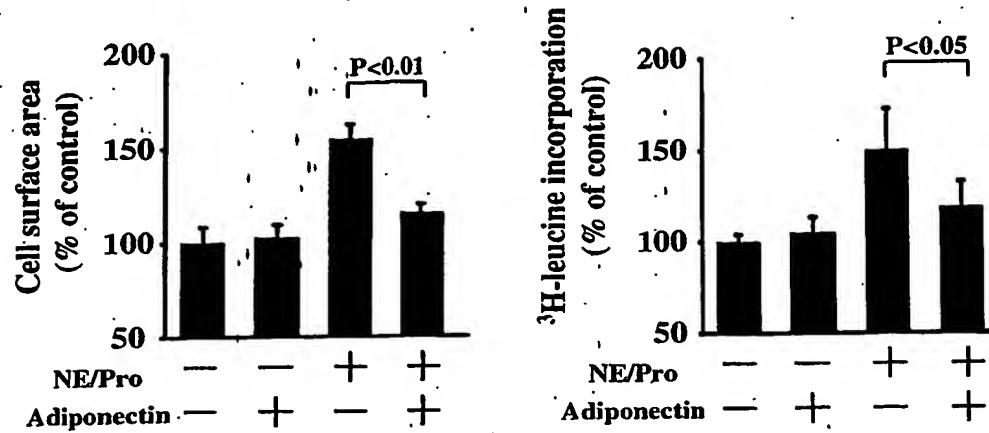


Fig. 8

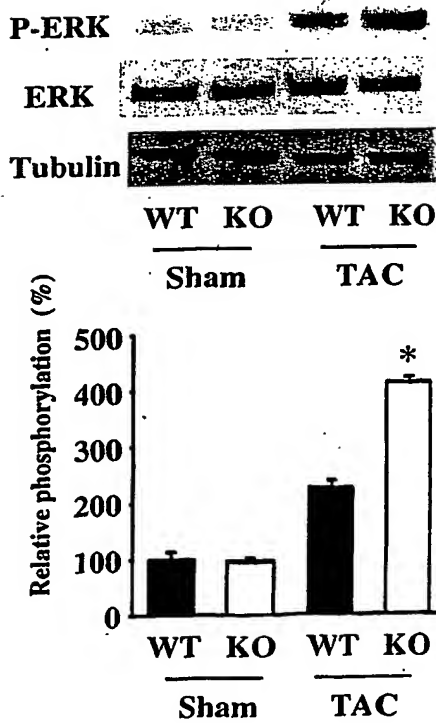
a



b



c



d

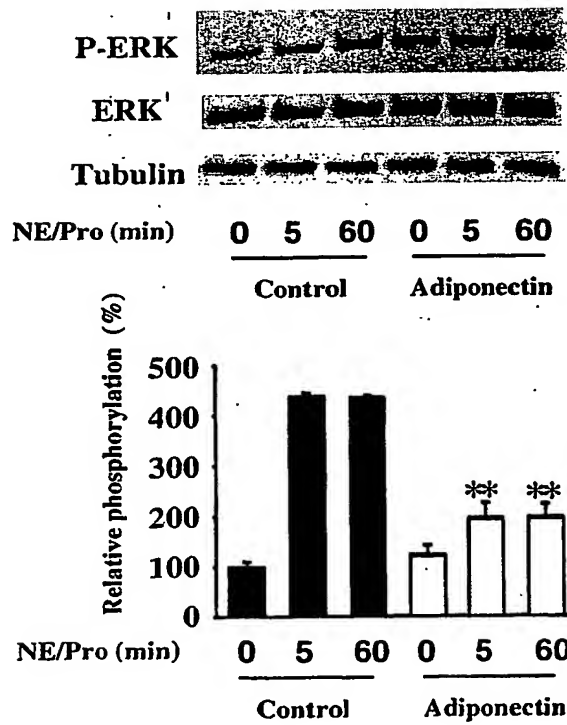
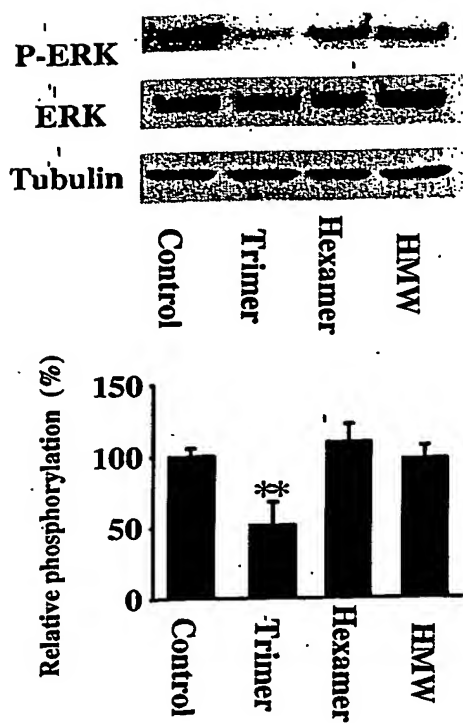
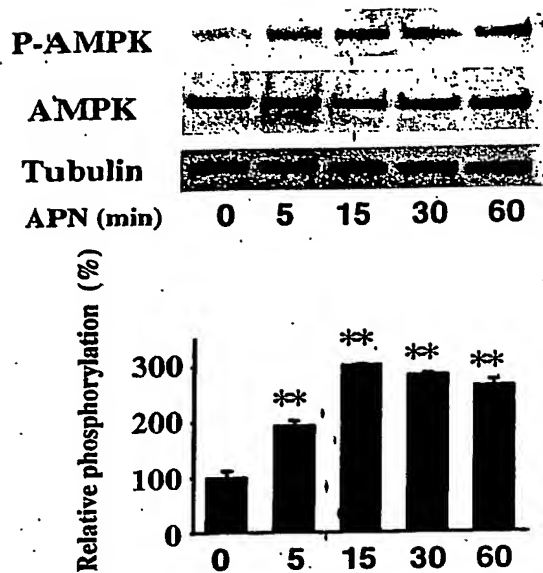
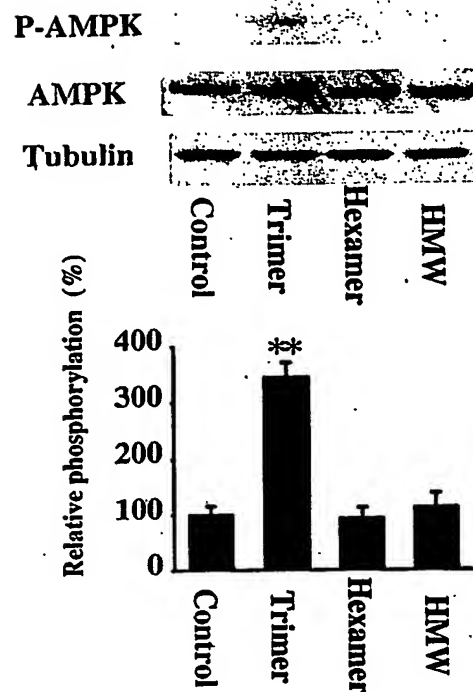
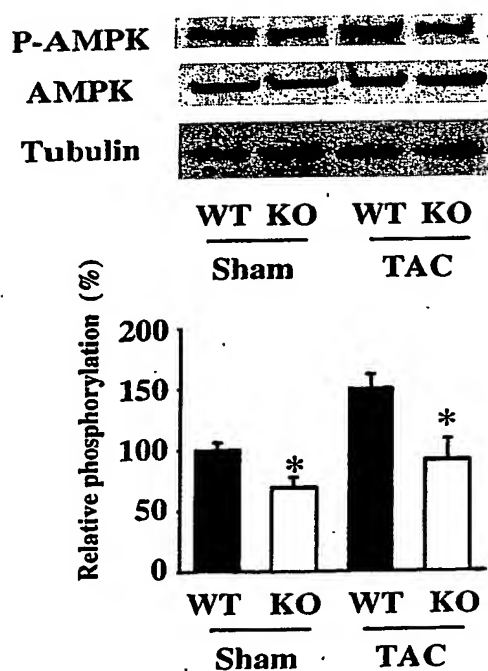
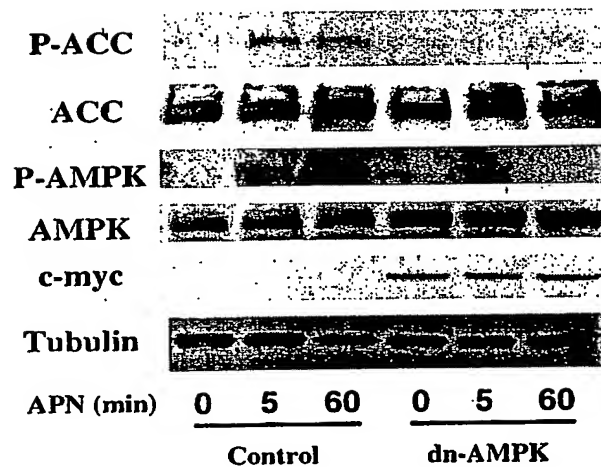
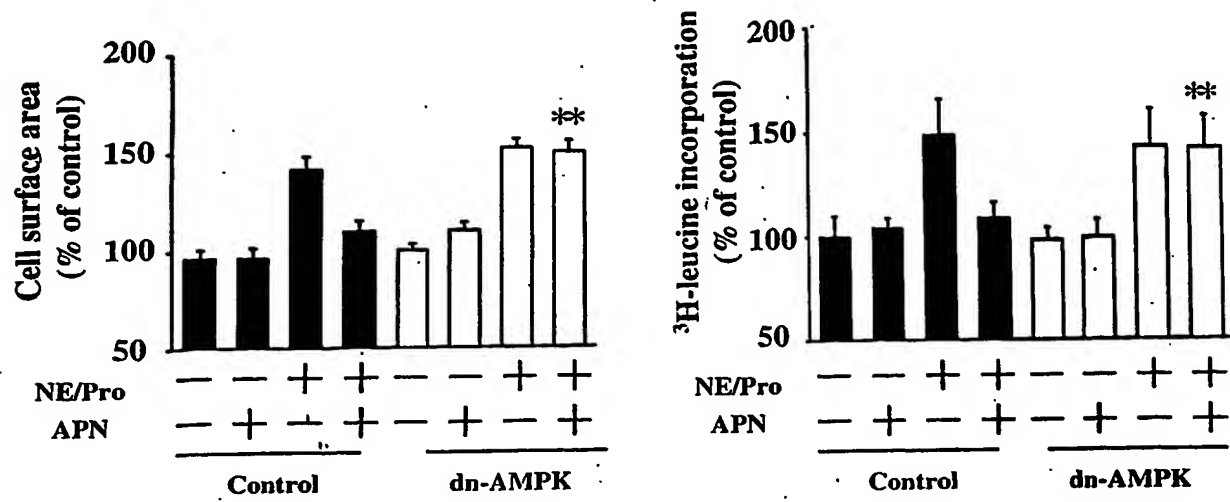


Fig. 9

**Fig. 9**

**a****b****c****d****Fig. 10**

e



f

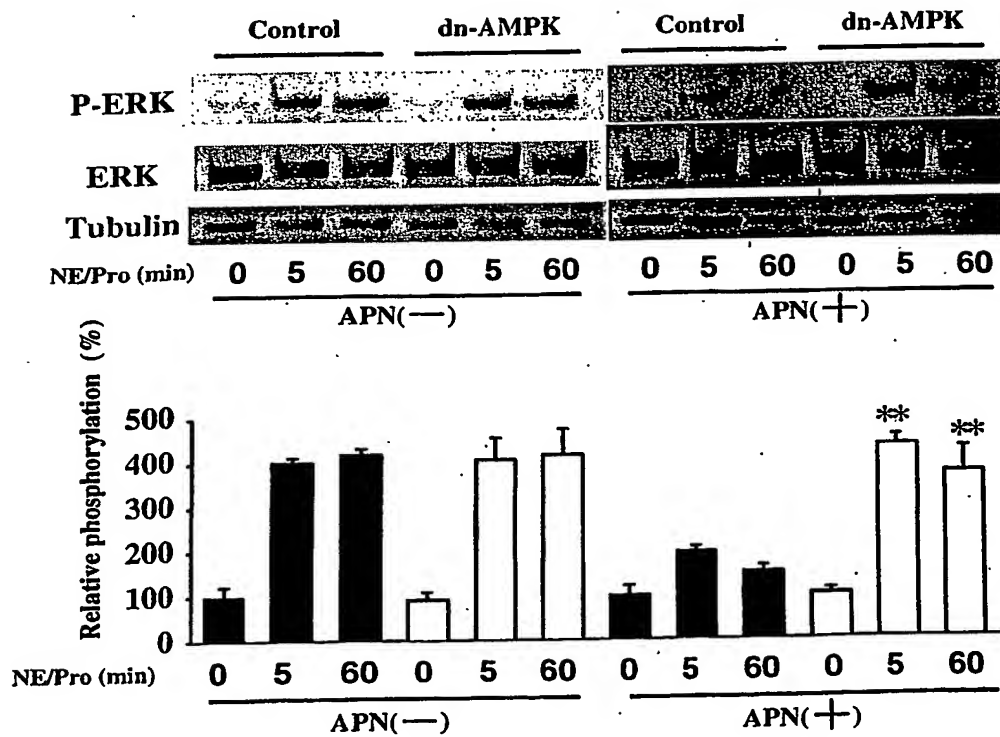


Fig. 10

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